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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY East Germany

REPORT NO.

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SUBJECT Research Activities at Siemens-Plania

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REQUIREMENT NO.

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REFERENCES

Special Insulating Compound

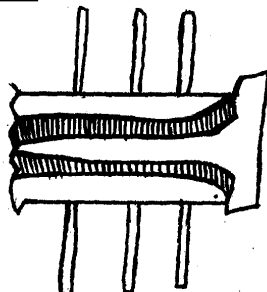
1. Siemens-Plania

conduct research on the production of an insulating compound capable of standing up to rapid fluctuations in temperatures (occurring in a matter of seconds) between $+200^{\circ}$ and -20° without cracking or bursting.

2. This insulating compound is to be employed in a radio appliance specially devised for jet aircraft. The technical name of this appliance is "Hochleistungsabsorber" (high capacity absorber).

3.

sketch

insulating
compound

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4. Research work in connection with this insulating compound is being carried out with the following three materials.

- a. Portland cement
- b. \angle DIN 30 Electrographite
- c. A hardening medium, concerning which there is still some disagreement.

Progress reports are submitted daily.

Silite Resistances

5. Resistances at present in process of development include silite resistances 20 m/m long, capable of withstanding maximum temperature fluctuations of plus or minus 5°, for use with infrared rays. Soviet tests have so far failed, since the homogenization of the individual components is probably the chief factor in the manufacture of silite resistances, and insufficient attention has been given to this item. Siemens-Plania is now investigating this aspect of the problem.
6. There has been a new general-director at Siemens-Plania since 1 July 1953. He is a Russian by the name of Sinona (fnu).

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